

Figure 1

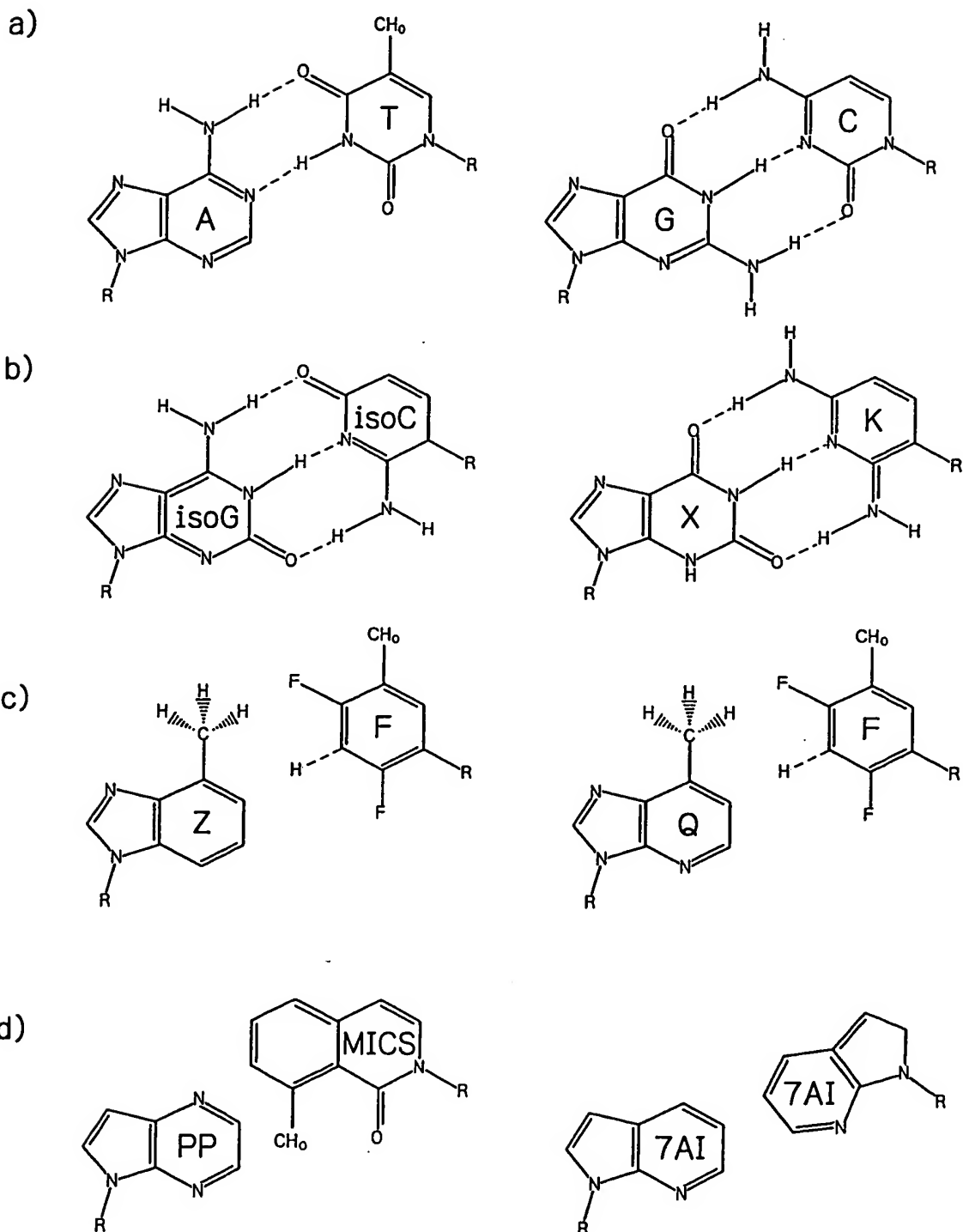


Figure 2

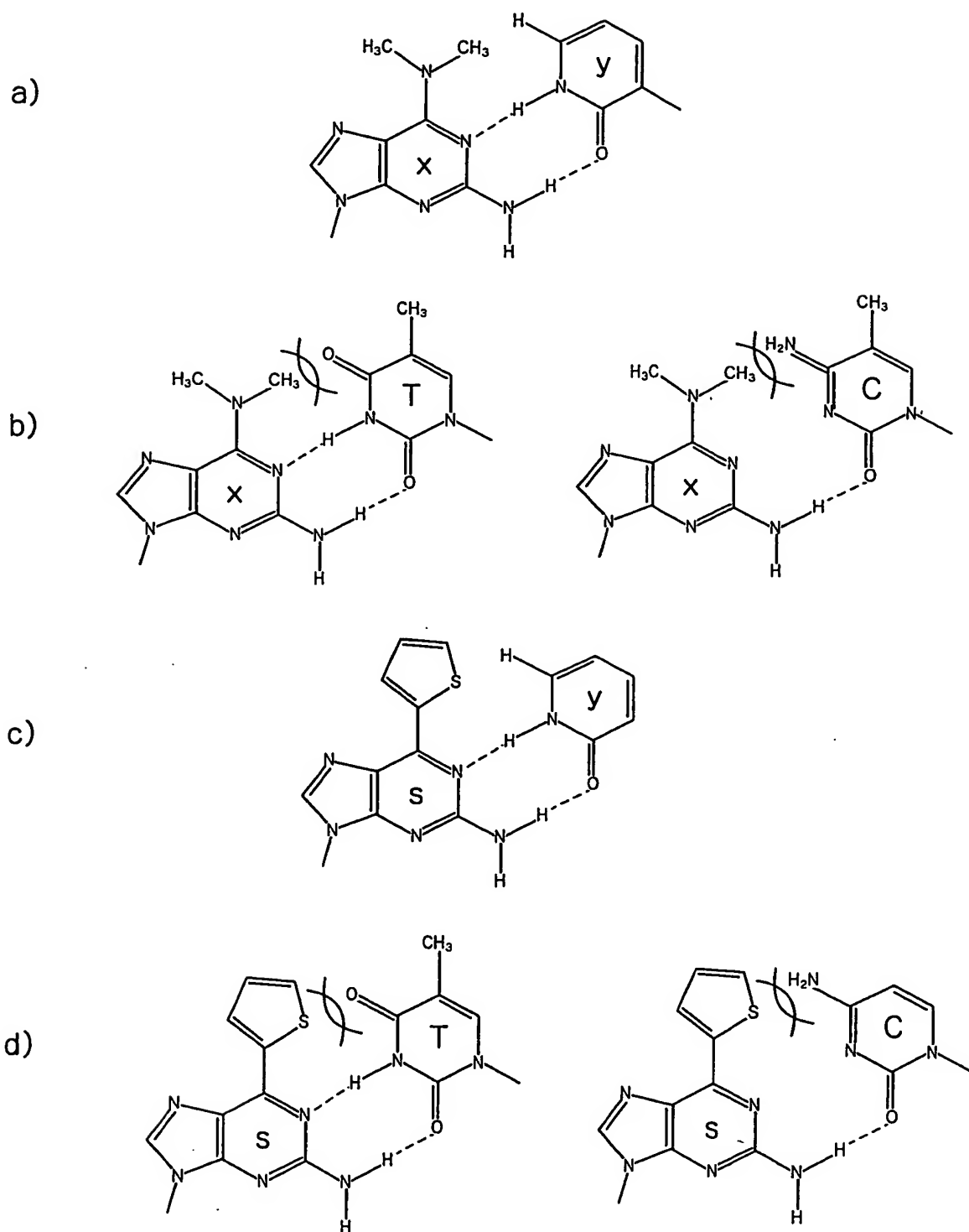


Figure 3

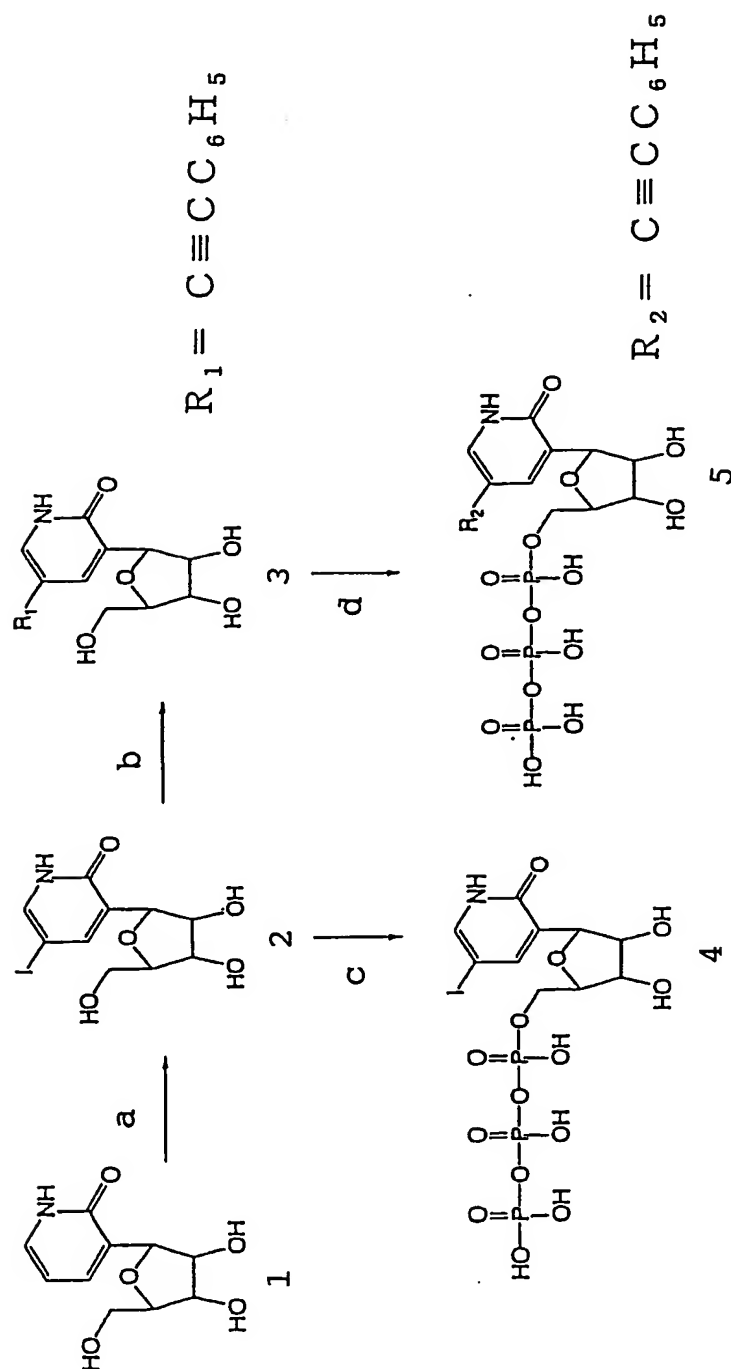
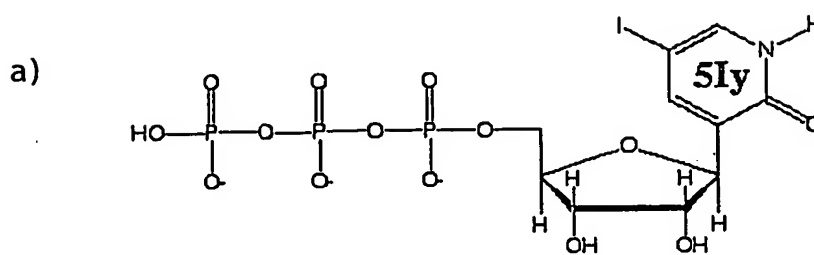


Figure 4



b)

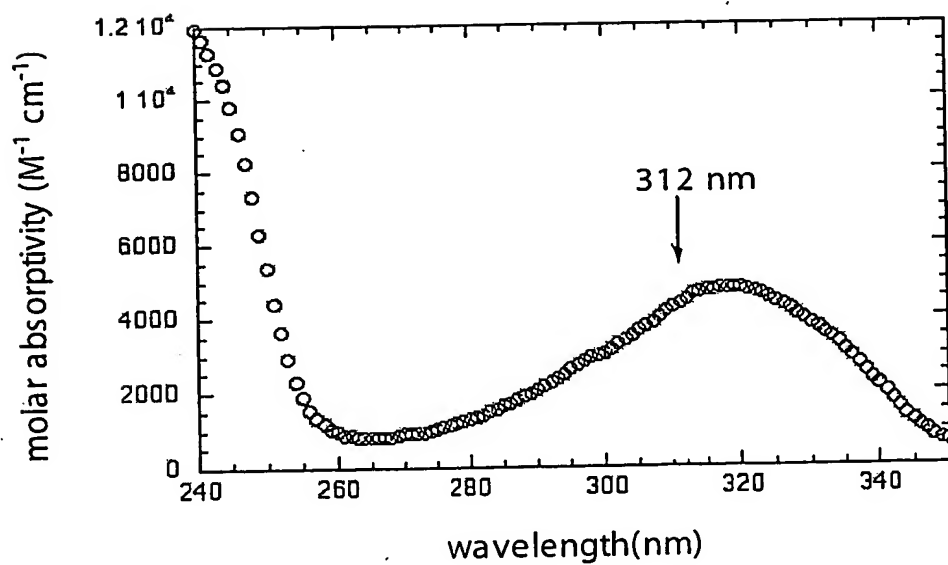


Figure 5

a)

5'-end primer; 39-mer

39.45 : 5' -GGTAATACGACTCACTATAGGGAGTGGAGGAATTCATCG

3'-end primer; 29-mer

29.45 : 5' -GCAGAAGCTTGCTGTCGCTAAGGCATATG

29.45s84 : 5' -GCAGAAGCTTGCTGTCsCTAAGGCATATG

29.45s87 : 5' -GCAGAAGCTTGCTsTCGCTAAGGCATATG

29.45s92 : 5' -GCAGAAGCsTGCTGTCGCTAAGGCATATG

29.45s84/92 : 5' -GCAGAAGCsTGCTGTCsCTAAGGCATATG

b)

5' - GGGAGUGGAG GAAUUCAUCG AGGCAUAUGU CGACUCCGUC UCCCUUCAA
CCAGUUUAAA AUUGGUUUUA GCAUAUGCCU UAGCGACAGC AAGCUUCUGC

Figure 6

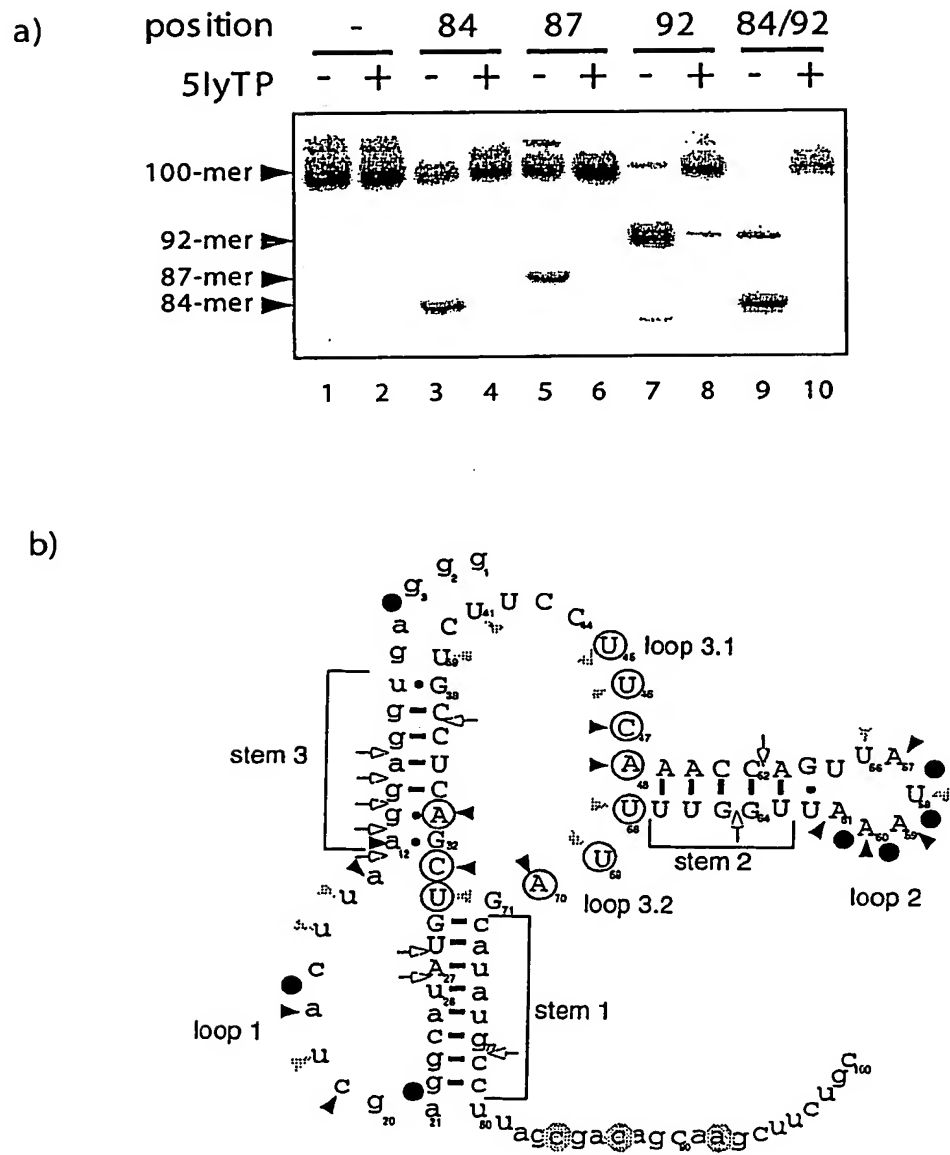


Figure 7

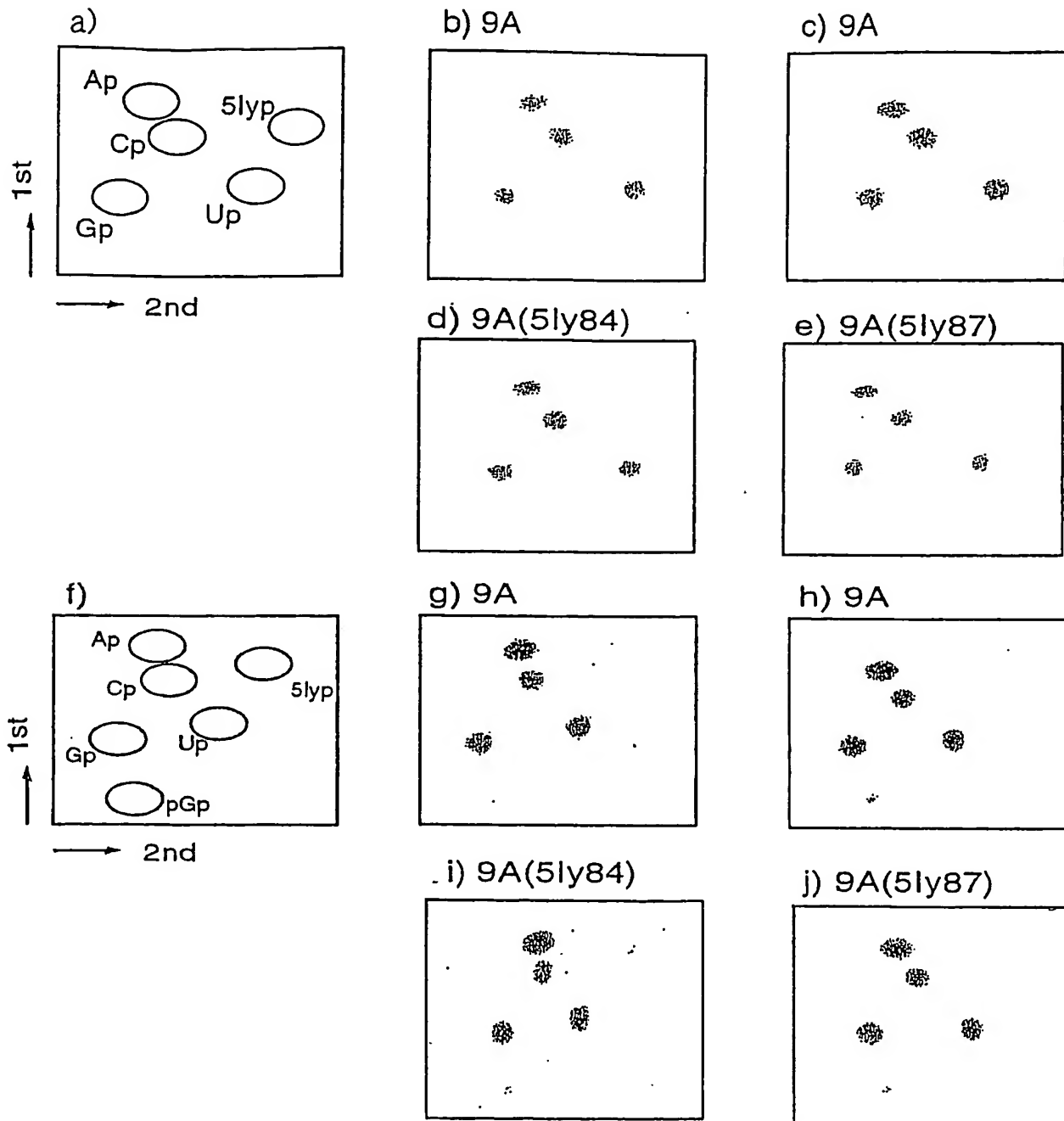


Figure 8

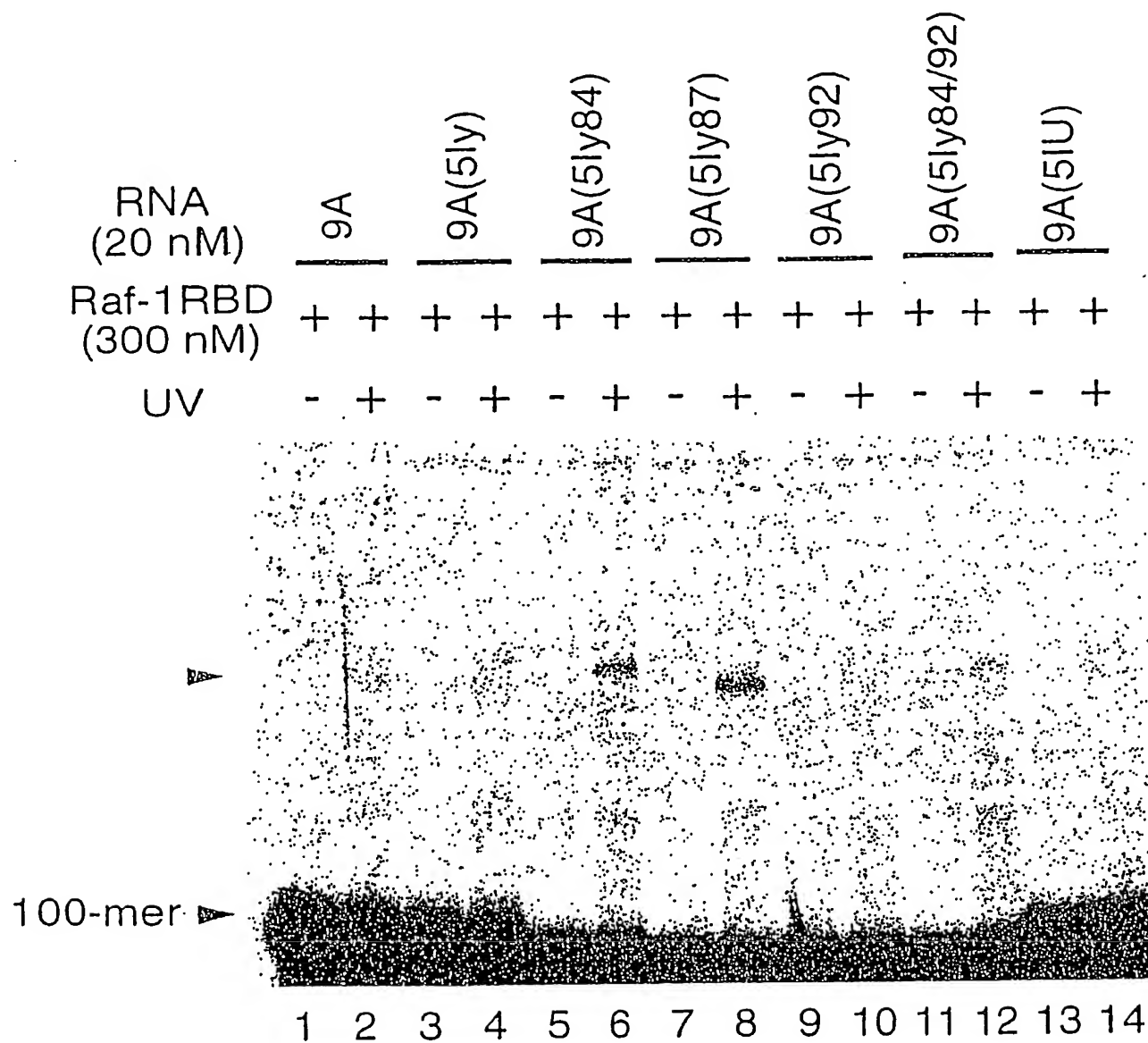


Figure 9

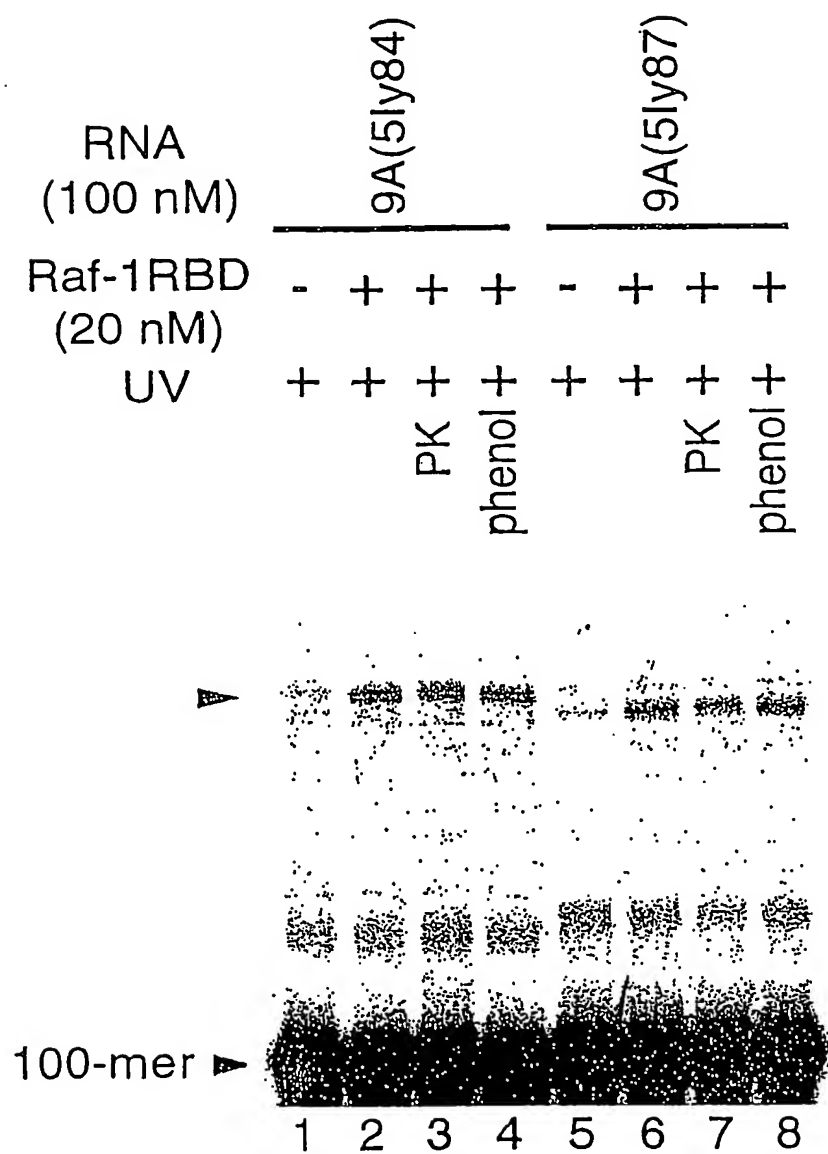
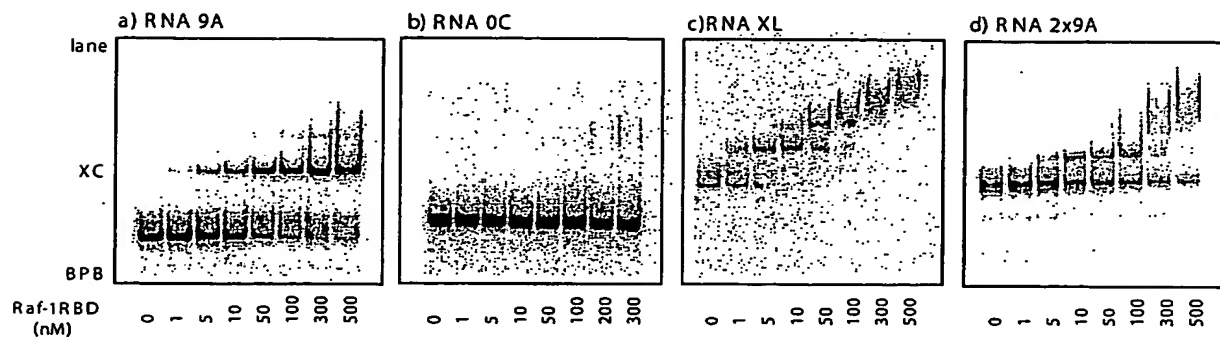


Figure 10



e) RNA 9A :100-mer

5' -GGGAGUGGAGGAAUUCaucGAGGCAU [-N45-] CAUAUGCCUUAGCGACAGCAAGCUUCUGC-3'

AUGUCGACUCCGUCUCCUCAAACCAGUUUAAAAUUGGUUUUAG

RNA 9A(5ly87) :100-mer

5' -GGGAGUGGAGGAAUUCaucGAGGCAU [-N45-] cauaugccuuagcga5IyCAGCAAGCUUCUGC-3'

RNA 2x9A :200-mer

5' -GGGAGUGGAGGAAUUCaucGAGGCAU [-N45-] CAUAUGCCUUAGCGACAGCAAGCUUCUGC-

-GGGAGUGGAGGAAUUCaucGAGGCAU [-N45-] CAUAUGCCUUAGCGACAGCAAGCUUCUGC-3'

RNA 0C :100-mer

5' -GGGAGUGGAGGAAUUCaucGAGGCAU [-N45-] CAUAUGCCUUAGCGACAGCAAGCUUCUGC-3'

CUGGGAACCCUAUCUUGCUUUUGGUAGCUGUAUUCACCUUGUAACAG

RNA XL : cross-linking product generated from two molecules of 9A(5ly87)

Figure 11

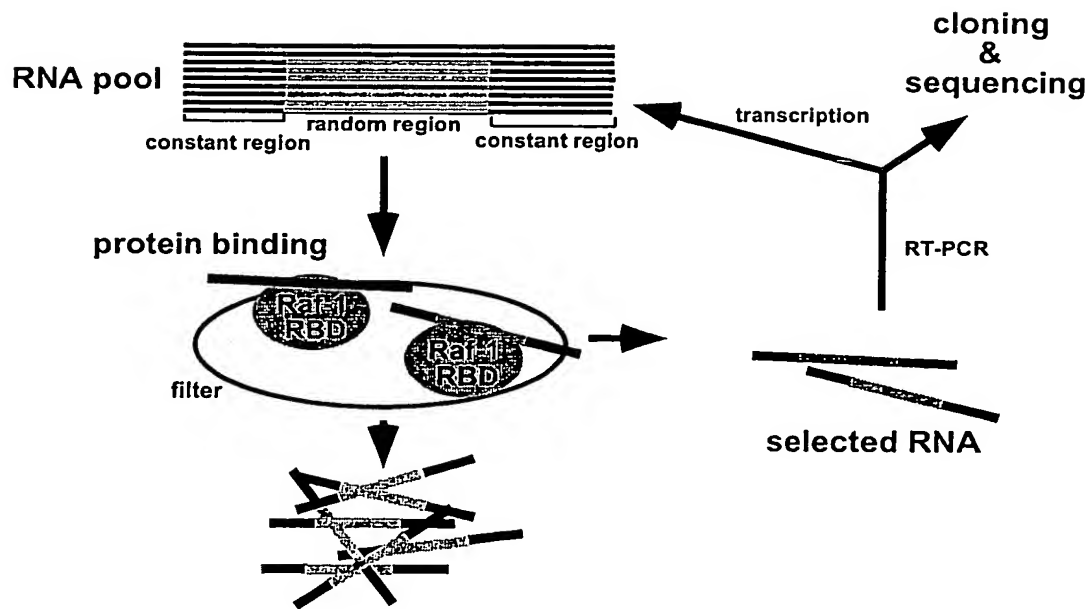


Figure 12

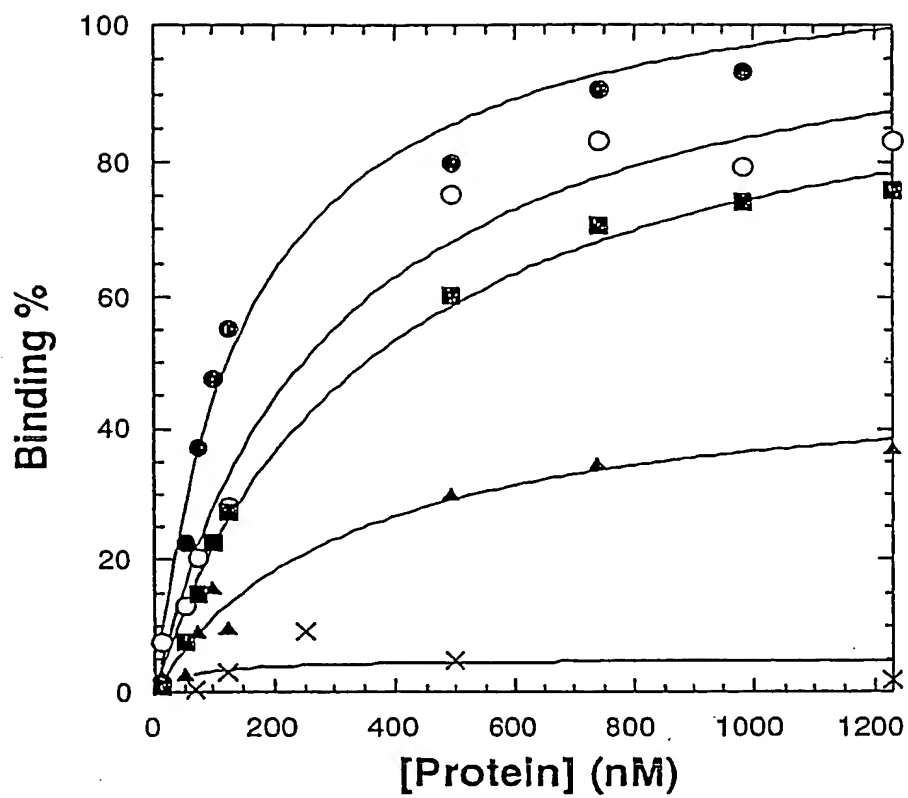


Figure 13

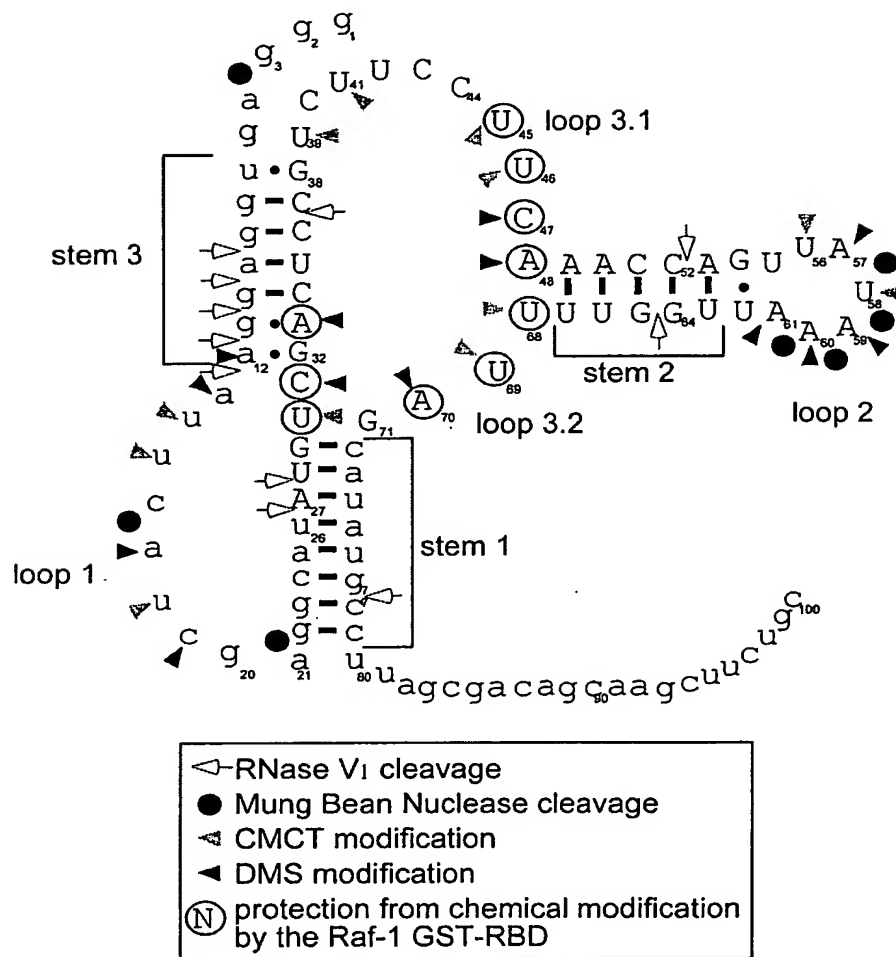
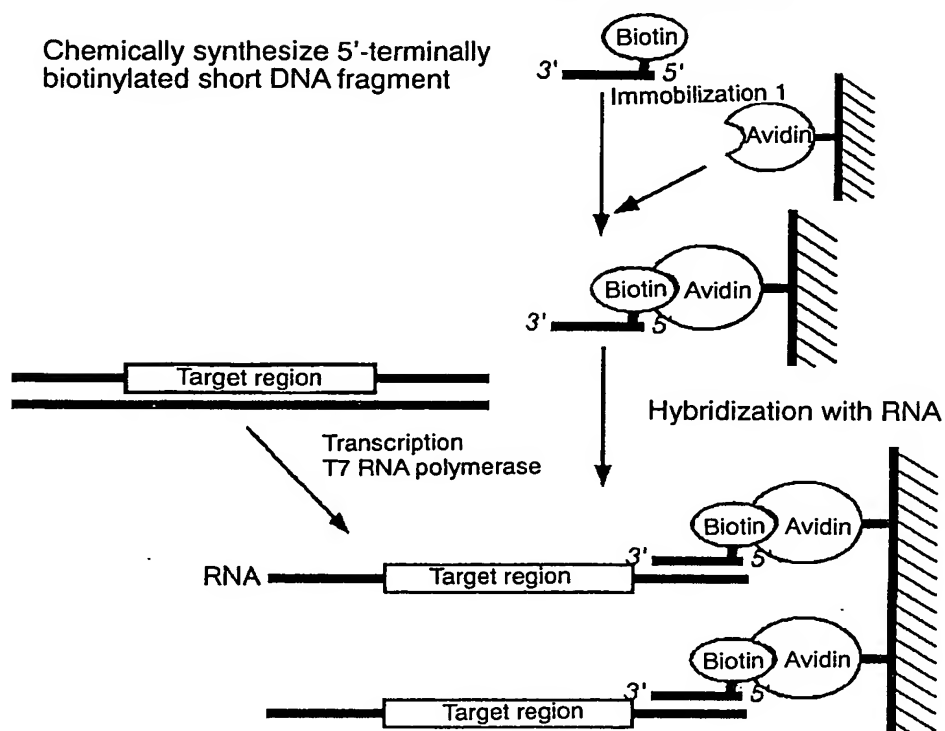


Figure 14

Conventional Method 1



Conventional Method 2

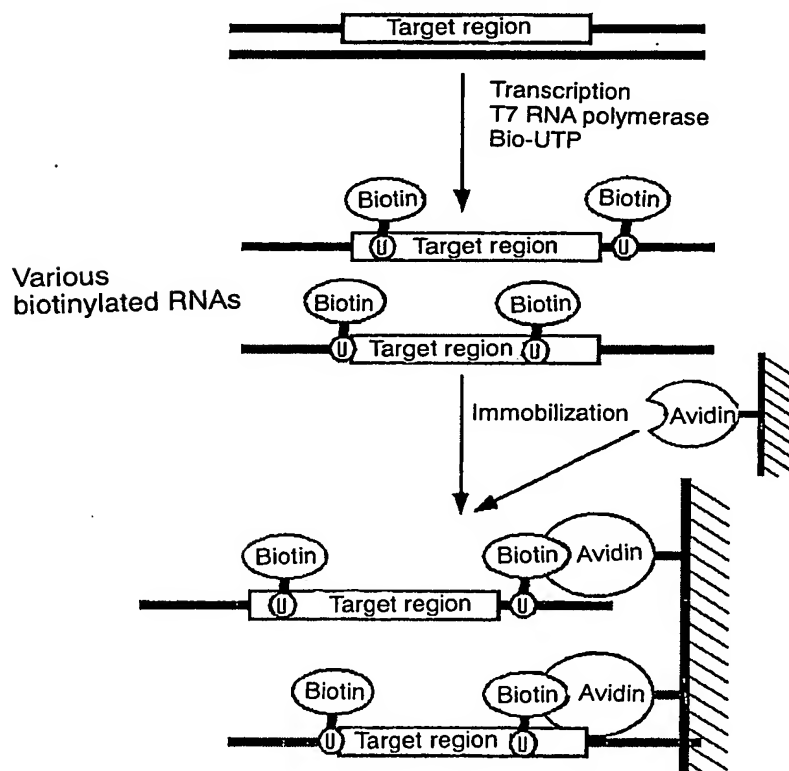
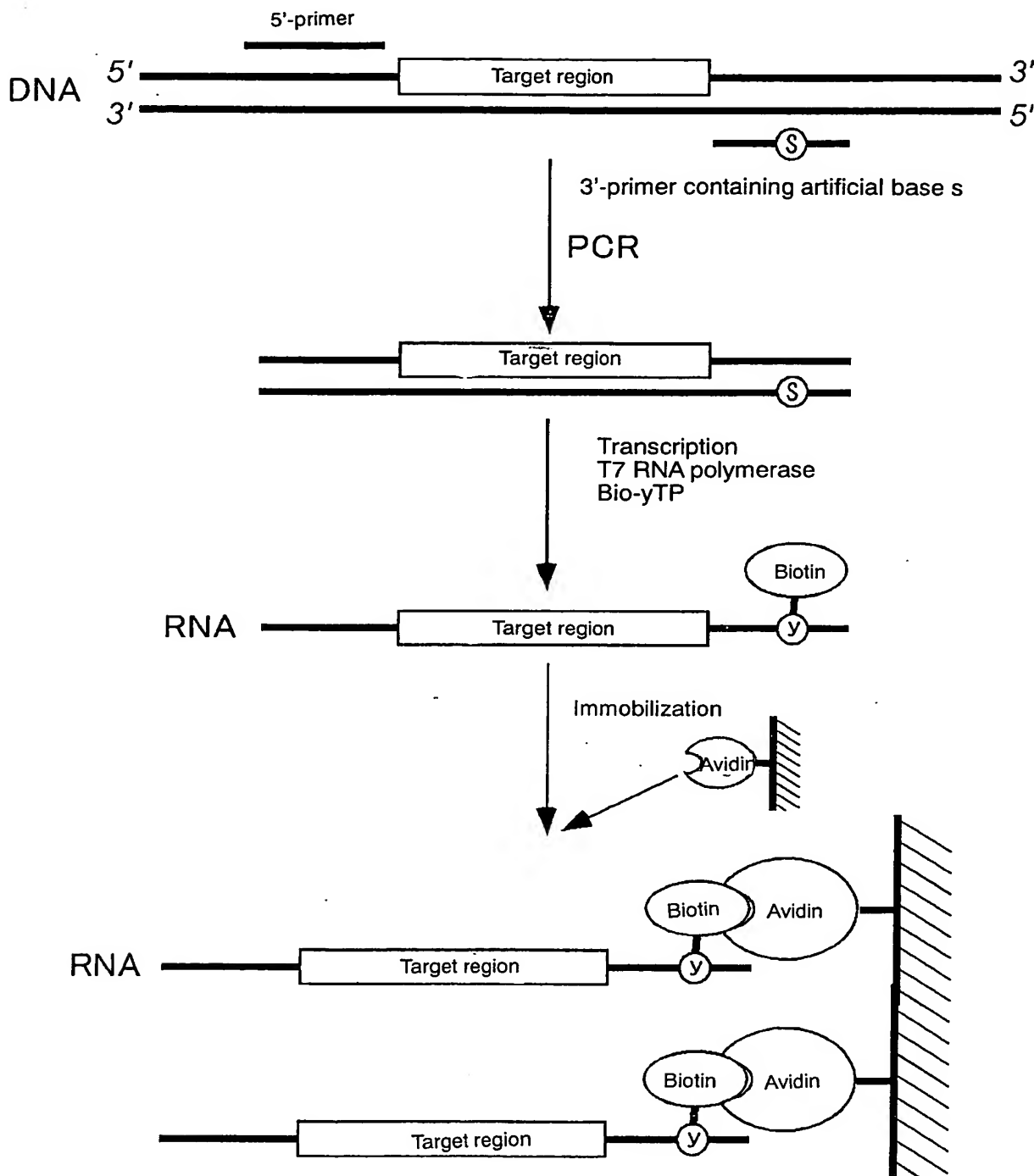


Figure 14 (Continued)

Inventive Method based on artificial base pairing



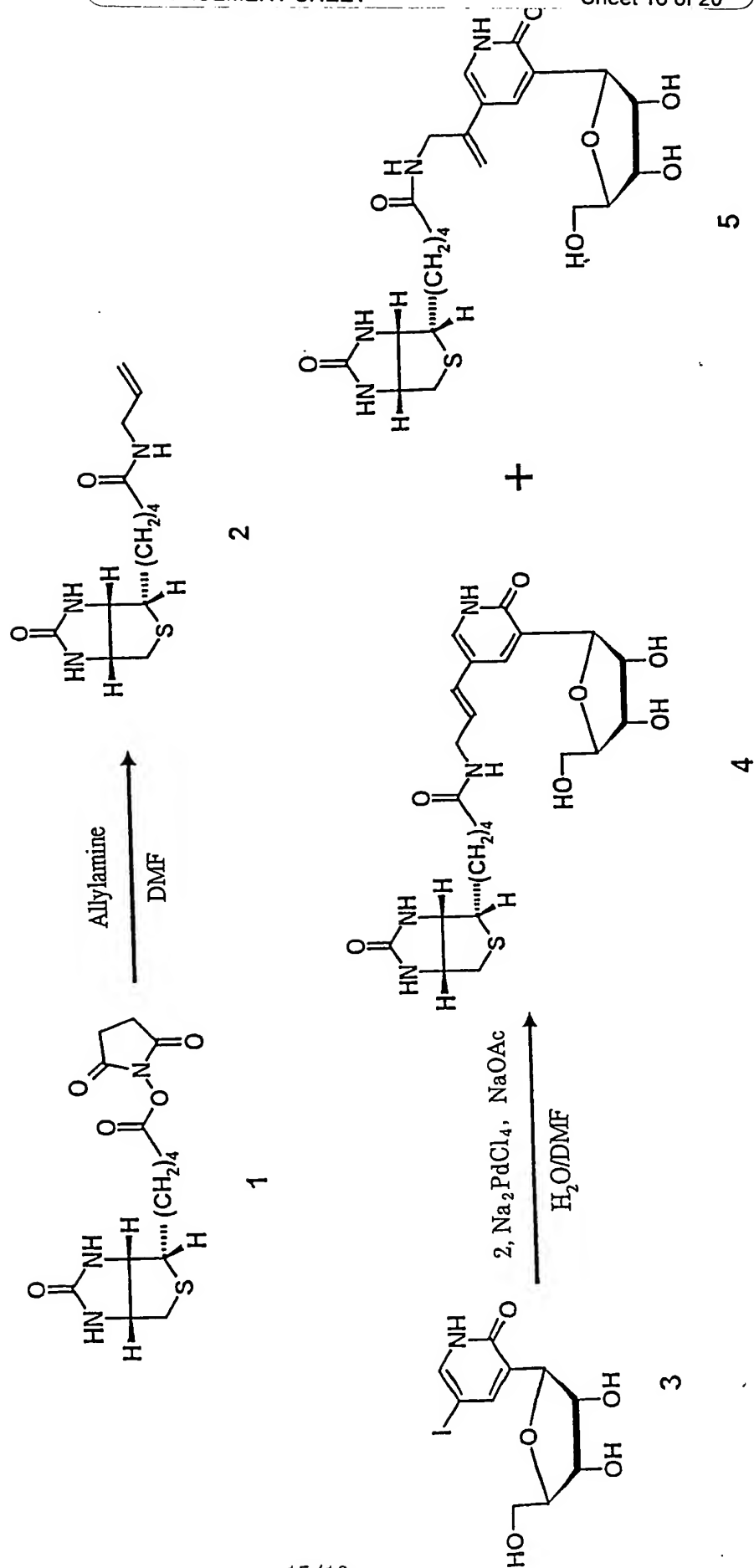
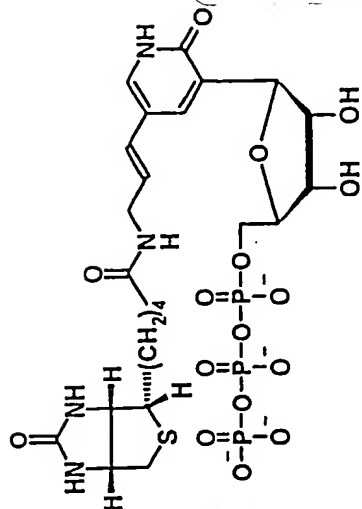
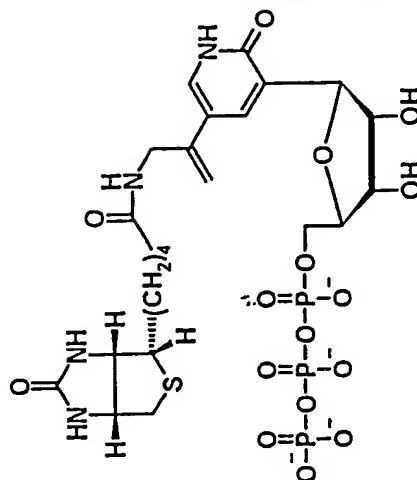


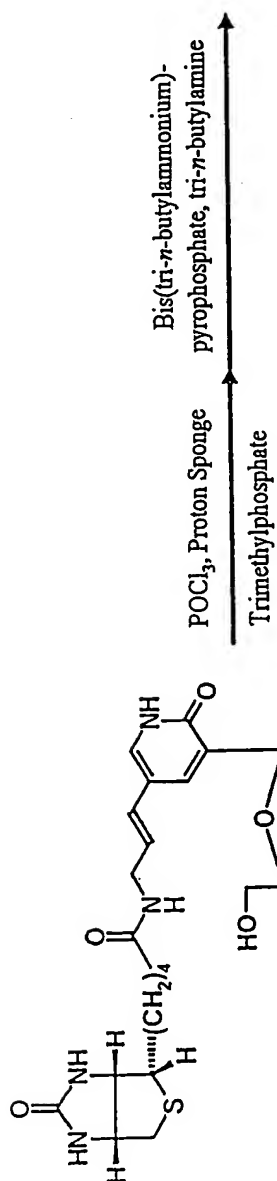
Figure 15



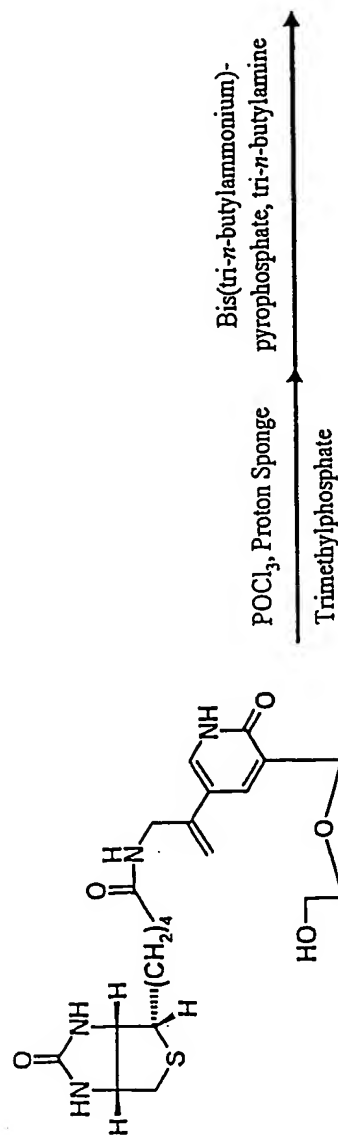
6



7



4



5

Figure 16

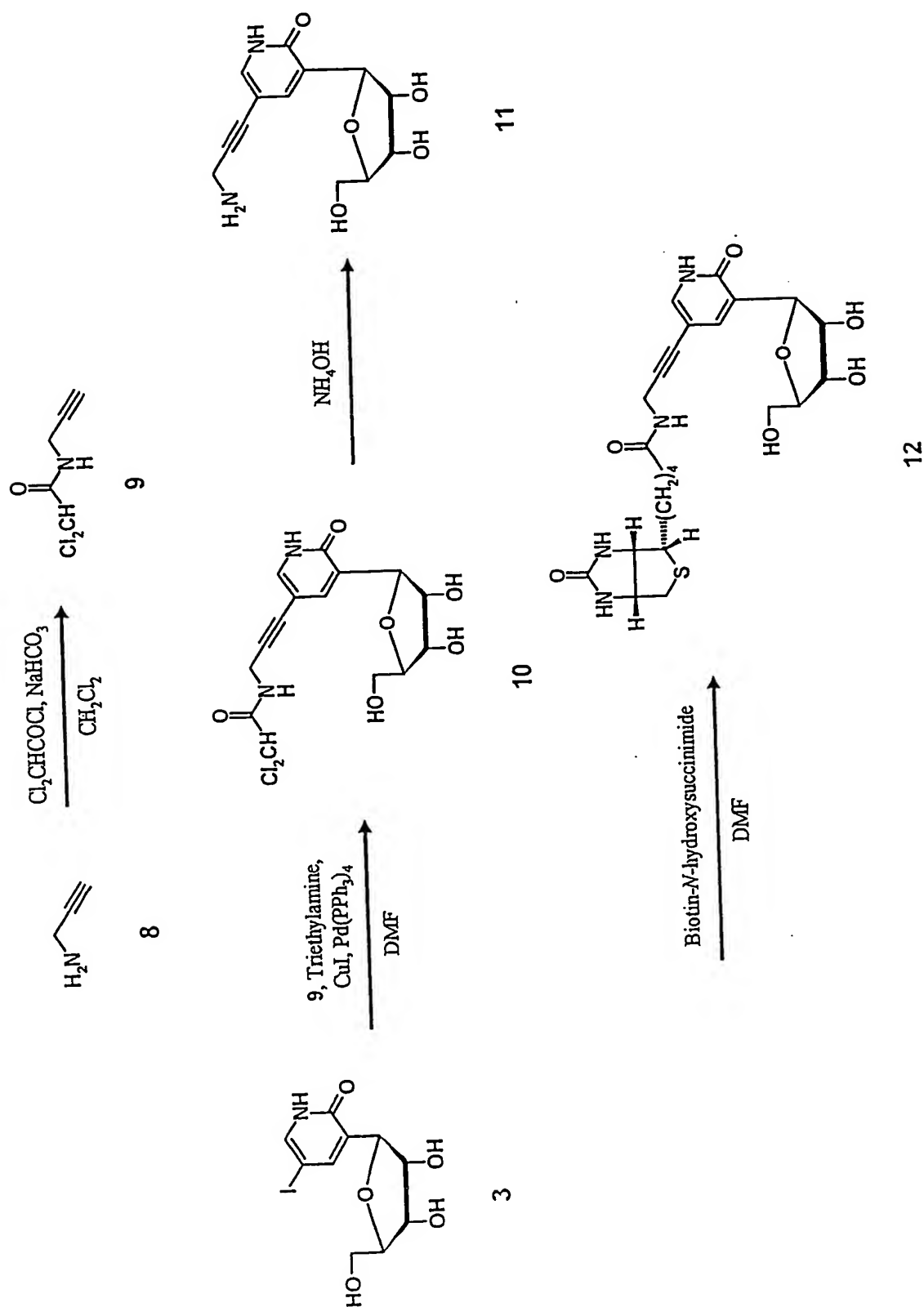


Figure 17

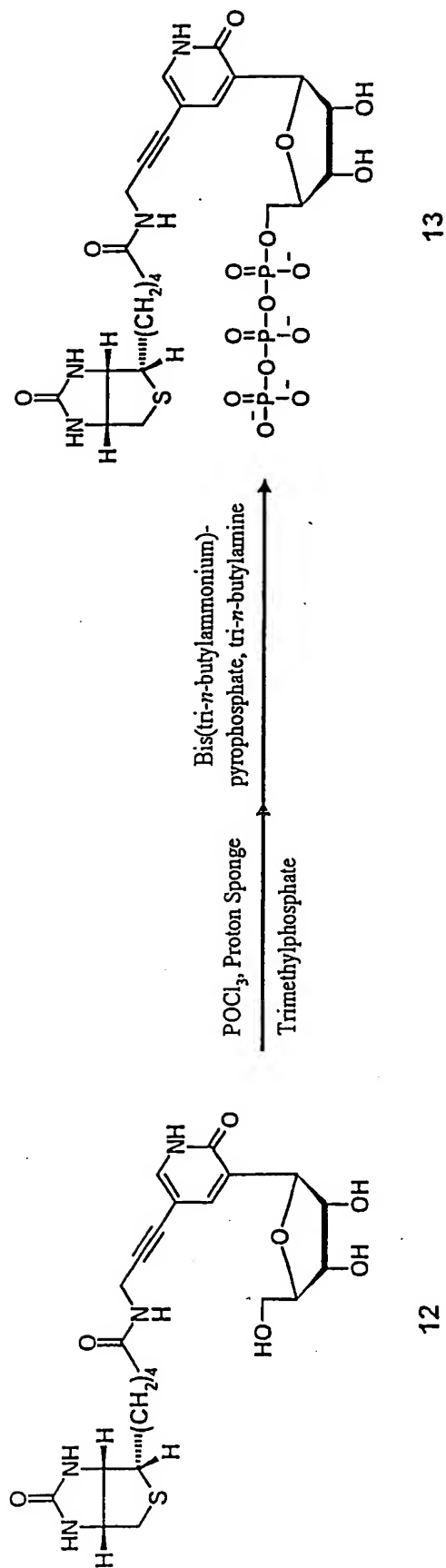


Figure 18

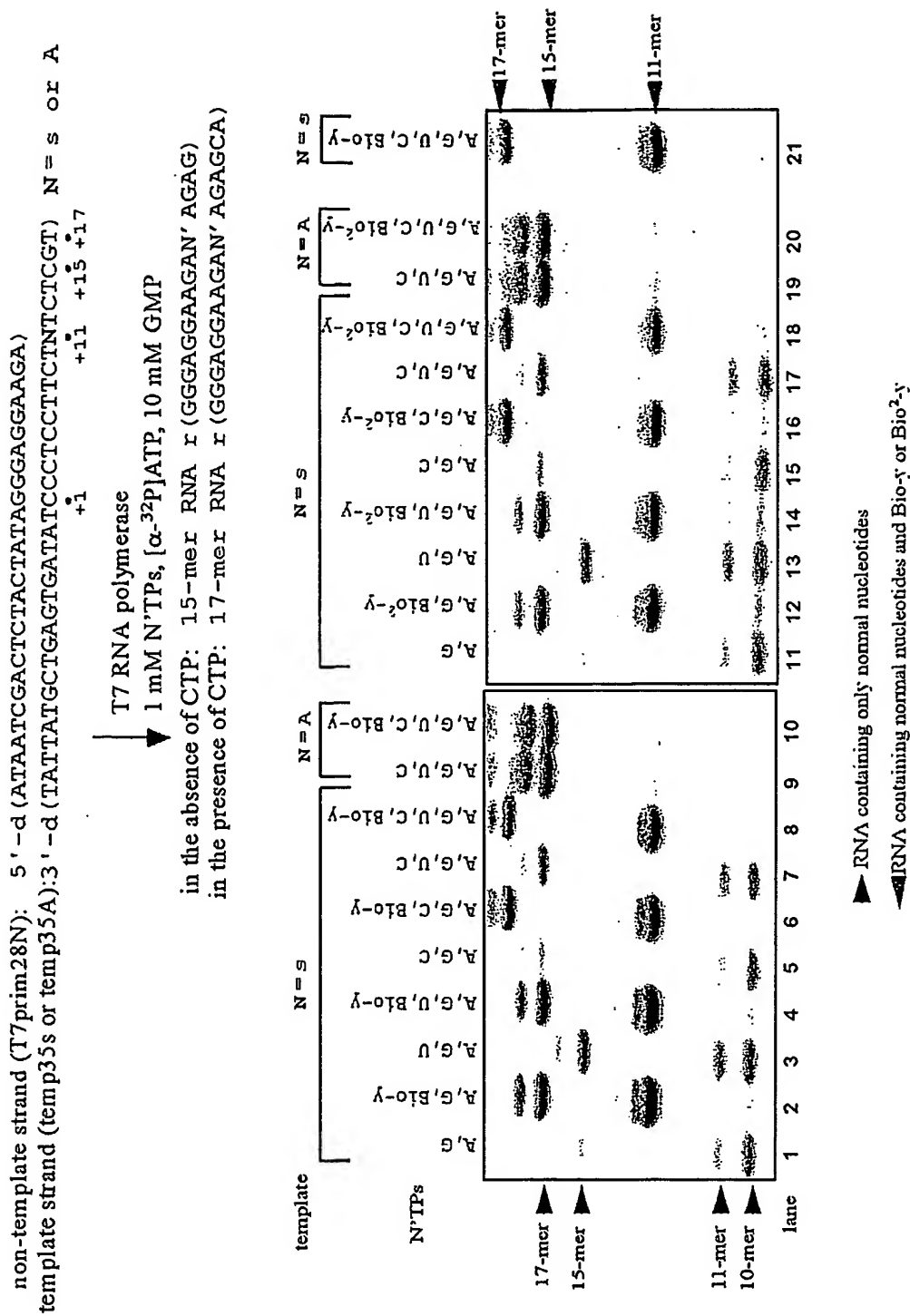


Figure 19